

21101.003413

Sheet of 1 of 4

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
UU2061US-0SERIAL NO.  
09/485321LIST OF ART CITED BY APPLICANT  
(Use several sheets if necessary)

APPLICANT: Jeannette C. Roberts, et al.t

FILING DATE: 118102  
07 February 2000

GROUP:

## U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
G.P.	1A	4868114	Sep 1989	Nagasawa et al.	435	112	RECEIVED
	1B						MAR 14 2003
	1C						TECH CENTER 1600/2900
	1D						
	1E						
	1F						
	1G						
	1H						
	1I						
	1J						
	1K						

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	1L							
	1M							
	1N							
	1O							
	1P							

## OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

G.P.	1R	R. L. Walters et al., "MODULATION OF RADIATION-INDUCED APOPTOSIS BY THIOLAMINES" Int. J. Radiat. Biol. 1997, vol. 72, no. 4, 439-448, (published October 1997)
LY	1S	J. L. Roberts, et al. "THIAZOLIDINE PRODRUGS OF CYSTEAMINE AND CYSTEINE AND RADIOPROTECTIVE AGENTS" Radiation Research, 143, 203 (1995)
LY	1T	Carroll, M, et al. "EFFICACY OF RADIO PROTECTIVE AGENTS IN PREVENTING SMALL AND LARGE BOWEL RADIATION INJURY" Dis Colon Rectum, July 1995, pp. 716-722

EXAMINER G. Peeler

DATE CONSIDERED

11/14/03

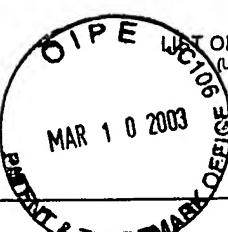
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

21101.0034U3

Sheet of 2 of 4

*Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. UU2061US-0	SERIAL NO. 09/485321 10/051,463
 LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Jeannette C. Roberts, et al.t 118102	
				FILING DATE: 07 February 2000	GROUP:
U.S. PATENT DOCUMENTS					
*Examiner Initial	Document Number	Date	Name	Class	Subclass
	2A				RECEIVED MAR 14 2003 TECH CENTER 1600/2900
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				
FOREIGN PATENT DOCUMENTS					
	Document Number	Date	Country	Class	Subclass
					Translation
					Yes No
	2L				
	2M				
	2N				
	2O				
	2P				
OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)					
G	2R	J. Roberts, et al. "CHEMOPROTECTION AGAINST CYCLOPHOSPHAMIDE-INDUCED UROTOXICITY" Anticancer Research 14: 389-396 (1994)			
G	2S	J. Roberts, et al. "CHEMOPROTECTION AGAINST CYCLOPHOSPHAMIDE-INDUCED UROTOXICITY: RIBOSE-CYSTEINE" Anticancer Research 14: 383 388 (1994)			
G	2T	Rowe, et al. "PROTECTIVE EFFECT OF RIBCYS FOLLOWING HIGH-DOSE IRRADIATION OF THE RECTOSIGMOID" Vol. 56, No. 7681-687			
EXAMINER G. Rehla		DATE CONSIDERED 11/14/03			
<small>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					

21101.0034 U3

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. UU2061US-0	SERIAL NO. 09/485321 101051,463
 LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT: Jeannette C. Roberts, et al.t FILING DATE: 1/18/00 07 February 2000 GROUP:			
U.S. PATENT DOCUMENTS					
*Examiner Initial	Document Number	Date	Name	Class	Subclass
	3A				
	3B				
	3C				
	3D				
	3E				
	3F				
	3G				
	3H				
	3I				
	3J				
	3K				
FOREIGN PATENT DOCUMENTS					
	Document Number	Date	Country	Class	Subclass
	3L				
	3M				
	3N				
	3O				
	3P				
OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)					
	3R	J. Roberts, et al. "MECHANISMS OF CHEMOPROTECTION BY RIBCYS, A THIAZOLIDINE PRODRUG OF L-CYSTEINE" Med.Chem.Res. (1991) 213-219			
	3S	J. Roberts, et al. "TIME COURSE FOR THE ELEVATION OF GLUTATHIONE IN NUMEROUS ORGANS OF L1210-BEARING CDF1 MICE GIVEN THE L-CYSTEINE PRODRUG, RIBCYS" Toxicology Letters, 59(1991) 245-251			
	3T	J. Roberts "L-CYSTEINE PRODRUG PROTECTS AGAINST CYCLOPHASPHANIMIDE UROTOXICITY WITHOUT COMPROMISING THERAPEUTIC ACTIVITY" Cancere Chemother Pharmacol (1991) 28: 166-170			
EXAMINER <i>S. Reiter</i>		DATE CONSIDERED <i>1/15/03</i>			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.					

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE					ATTY. DOCKET NO. UU2061US-0		SERIAL NO. 09/485321 10/051,463	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)					APPLICANT: Jeannette C. Roberts, et al.t			
					FILING DATE: 11/18/00 07 February 2000 GROUP:			
U.S. PATENT DOCUMENTS								
*Examiner Initial		Document Number	Date	Name		Class	Subclass	Filing Date If Appropriate
	4A							
	4B							
	4C							
	4D							
	4E							
	4F							
	4G							
	4H							
	4I							
	4J							
	4K							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country		Class	Subclass	Translation
								Yes
								No
	4L							
	4M							
	4N							
	4O							
	4P							
OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)								
<i>Cp</i>	4R	J. Roberts "PRODRUGS OF L-CYSTEINE AS PROTECTIVE AGENTS AGAINST ACETAMINOPHEN-INDUCED HEPATOTOXICITY" Journal of Medicinal Chemistry, 1987, vo. 30, No. 10						
	4S							
	4T							
EXAMINER <i>E. Reale</i>				DATE CONSIDERED <i>11/15/00</i>				

RECEIVED

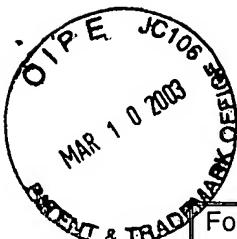
MAR 14 2003

ATTORNEY DOCKET NO. 21101.0034U3

APPLICATION NO. 10/051,463

SHEET 1 OF 1

TECH CENTER 1600/2900



Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>LIST OF INFORMATION CITED BY APPLICANT</b> (Use as many sheets as necessary)		Complete if Known					
		Application Number		10/051,463			
		Filing Date		Jan. 18, 2002			
		First Named Inventor		Jeanette C. Roberts			
		Group Art Unit		1623			
		Examiner Name		Unassigned			

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
CJ	A1	6,340,746	01/22/02	Roberts et al.	536	17.4	
GS	A2	5,667,791	09/16/97	Hersh et al.	424	401	
CP	A3	5,578,470	11/26/96	Kerkenaar et al.	435	130	
GS	A4	4,617,189	10/14/86	Stockel et al.	424	162	
GS	A5	4,011,221	03/08/77	Sakakibara et al.	260	252	

**FOREIGN PATENT DOCUMENTS**

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No
GS	A6	0 277 688 B1 (Europe)	27-10-93	Kerkenaar et al.	
GS	A7	WO 91/02741 (PCT)	07-03-91	Van Bloom et al.	

**NON-PATENT DOCUMENTS**

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
CP	A8	Baran E. and Drabarek, S. "Studies on Synthesis of S-Glycosidic Bond Between Cysteine and Glucose or Galactose" <i>Polish J. Chem.</i> 52:941-946, 1978
GS	A9	Draguet, C. and Renson, M. "Synthese de la Selenazolidine, de N-Alcoylselenazolidines et de Leurs Dérives de Substitution en 2" <i>Bull. Soc. Chim. Belges</i> 81:279-287, 1972
CP	A10	Hildesheim et al. "Etude de l'inhibition d'une t-ARN N <sub>2</sub> -guanine methyl transferase de foie de lapin par des analogues de la S-adenosyl homocysteine" <i>Biochimie</i> 54:989-995, 1972
CP	A11	Käsbeck, L. and Kessler, H. "Synthesis of S- $\alpha$ -D-Glucosylated L-Cysteine – A Novel S-Glycosyl Amino Acid" <i>Liebigs Ann/Recueil</i> 165-167, 1997
GS	A12	Monsigny et al. "Synthèse d'un nouveau type de glycoconjugué Le thio- $\beta$ -D-glucopyranoside de la L-cystéine" <i>Carbohydrate Res.</i> 59:589-593, 1977
GS	A13	Roberts et al. "Differential Chemoprotection Against Acetaminophen-Induced Hepatotoxicity by Latentiated L-Cysteines" <i>Chem. Res. Toxicol.</i> Sept. 1998
GS	A14	Schneider, F. and Geyer, Hans-Ulrich "Verknüpfung von Zuckern mit Aminosäureestern lipophiler Alkohole zu grenzflächenaktiven Zuckerderivaten" <i>Bd 330;182-187</i> , 1963
GS	A15	Tanaka et al. "WS1279, A Novel Lipopeptide Isolated from <i>Streptomyces willmorei</i> Biological Activities" <i>J. Antibiotics</i> 46(11):1699-1706, 1993

Examiner Signature: G. Peck Date Considered: 1/14/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.